## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO.  | DATE     |
|---------------------|----------|---------|----------|
| FEE DETERMINATION   | 50       | 41058   | 4.29.99  |
| O.I.P.E. CLASSIFIER |          |         | 5 5-5-99 |
| FORMALITY REVIEW    | (Bu)     | 6.4934  | 5.1399   |
|                     | (N)      | (a) 974 | 61444    |

| 1 | Rejected                   |   | N   | Non-elected  |
|---|----------------------------|---|-----|--------------|
|   | Allowed                    |   | - 1 | Interference |
|   | (Through numeral) Canceled |   | · A | Appeal       |
| • | Restricted                 | • | ٥   | Objected     |

|  | Cle          | im    | λ Date       |                              |               |      |                             |             |   |                   |            |  |      |
|--|--------------|-------|--------------|------------------------------|---------------|------|-----------------------------|-------------|---|-------------------|------------|--|------|
|  | ï            | l a   | a            | सर्हे हैं।                   |               |      |                             |             |   |                   |            |  |      |
|  | 쿌            | ginal | ሂ            | 7                            | 疹             |      |                             |             | ١.  |                   |            |  | l    |
| 4  | Final        | δ     | 1            | 9                            | 'n            |      |                             |             | Ŀ   | L                 |            | L.   | l    |
|  |              | [1    | V            | V                            | μ             |      |                             | Ŀ           |   |                   |            |  | ].   |
|  |              | B     | V            | V                            |               |      |                             |             |   |                   |            |  | ].   |
|  |              | 196   | V            | /                            | 4             | ~    |                             | 1.4         |   |                   | 2.         | ,  | ŀ    |
|  | Ľ.           | 14    | $\mathbf{V}$ | V.                           |               |      |                             | Ŀ           |   | · ·               | ·          |  | ŀ    |
|  | L.           | (5)   | A            | V,                           | Ξ             |      | -                           | _           | _   | L                 | Ŀ          |  | I.   |
|  | عا           | 3     | K            | 凶                            | -             | ٠.   | Ŀ                           | Ŀ           | 1   |                   | ٠.         | Ŀ  | Į,   |
|  | -            | 7     | V            | 4                            | -             | Ŀ    |                             | -           | -   | _                 | Ŀ          | <u> </u>                                     | l    |
| •  | _            | Z     | K            | 1                            | <u>~</u>      | -    | ::::\bar{\partial}{p}       |             | egr.  | < · ·             | -          |  | ŀ    |
| *  | حا           | Ç     | Μ,           | Ε                            | Ξ             | ٠    | V <sub>1</sub> X,           | 1           | , <u>#</u> :                                  | <i>-</i>          |            |  | ŀ,   |
| ٠.                                       | <u> </u>     | S     | K,           | Ξ                            | 13            | 5    |                             |             | 100   | :110              | 1          | 125-   | l    |
|  | -            |       | K.           | Ξ                            | <u>**</u>     | 41   |                             | £5          | 111   | 37                | -          | -  | ŀ    |
| j  | H            | 12    | 1            | Ξ                            | -             |      | 17                          | 14.0        |   | 100               | 3          | 27.7   | l    |
| Ę.                                       | 1            | Ma    | ¥            | Ξ                            | 3             | 3    |                             | 373)<br>534 | 14,   | 2.5               | 3          | 1  | ľ    |
| 1.                                       |              | X     | ¥            | S<br>M                       | v :=k<br>:==k | 24.  | . 3                         | 4           | 海海  | 3.4.5             | 3          |  | ļ    |
|  | 21.1<br>10.0 |       | <b>!</b> }   | 3                            |               | · 7. | 1.0                         | #()<br>297  | 315   | 27.               | 10         | 10.00  | ŀ    |
|  |              |       | V            | 2.5                          | 學             |      | Ž.                          | 经           | ž   | 30                | 25         | 15.4<br>13.4                                 | ľ    |
| 1  |              | 18    | 3            | 200                          | 7             | -7.  | -                           | 速           | 3 Y   | The s             | 1 1        | Y  | l.   |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |              | 71    | ij           | 12                           | 1484          |      | 诗集                          | )在<br>深     | 34  | -44.<br>-2. C.    | -          | 1  |      |
|  | *            | 2     | Ď            | 7-4-<br>5-4-                 |               |      | 4.3                         | 1           | ve,   |                   | 75°        | T.   | :    |
|  | H.           | 2     | 7            | 70                           | 15            | 1.2  | Abar.                       | 1           | 抵應  |                   |            | iga-   |      |
| 1  | 7            | 2     | 7            | 發,                           | 松             | 3.54 | (146)<br>(146)              | À           | _   |                   | 2          | 200  | ľ    |
| 1.5                                      | 13.          |       | V            | 4.7                          | 梦.            | 557  | N. O.                       | 12.5        | 1   | 14                | 1          | 22   |      |
|  |              | 2     | -            | 1 1                          | #1.0<br>E4.0  | ×12  |                             | 2.30        | *#\$  | 11 to             | 法          | 75-  | 7.14 |
| 1  | X.           | 45    | Ď            | 41.                          | 1.            | 14   | · K                         | en M        |   | 1/4               | 7          | 7  | 7    |
| 1  | £. (         | 6.    | 7            | D.                           | 1             | NA.  | 9)E                         | 7 h.        | 120   | g,                | 2 F        | ,,,  | 4.5  |
| 學學                                       | 1            | Εĺ    | <b>フ</b>     | 742°                         |               | 1/2  | A G                         | 3           | V.  | 1,2               | 4          | . F  |      |
| 9  | 13           | 2     | Ü            | : S                          | 774           | 3    | 121                         | i.f.a.      |   | ea.               | 14         | 7  |      |
| <b>经验证据的证据</b>                           | 1            | 29    |              | V                            | Ž             | 20-d | 130                         | Ç.          | Via.  | *                 | 150        | 70,7   |      |
| 1  |              | 10    |              | V                            | 13.           | 5    |                             | Ģ.          | 13  | 1.1               | ţ.         | 24   | 1    |
| 4  | ψ,           | ΪĪ    | , <u>+</u>   | J                            | i,            | 342  | 74                          |             | 7.0   |                   | ÷.~        |  |      |
|  | 4.           | Ž     | 3            | V                            | 4             | 慈    | 89                          | 14          | gg.   | 31                | 1.         | ì,   | ì    |
| 4  | U.           | 15    |              | J                            | 1             | 3    |                             | 57.         | 16  | 1                 |            | · .  | •    |
| : 4                                      | 1            | 34    | 1,           | 1                            | ù             | 3    | ψ.                          | 4           | 5   | 1                 |            | 1982.  | ľ    |
| 10.0                                     | 1,           | 35    | . 52         |                              | П             | 5,45 | 11.                         | est<br>is   | 1   | 6.                | 7          |  |      |
|  |              | 36    | ,            | 1                            | 11            | a de | Ĺ                           |             | 4.4   | $p_{i}^{*}$       |            | 3  |      |
| -  | 1.           | 37    | .77          | 翻                            | U.            | 5 .  | 7                           | = 1         |   |                   | -          | 4  |      |
|  | 4.           | 38    |              | 3                            | ī             | ý,   | $\mathcal{L}_{\mathcal{L}}$ | 10          | 17  |                   | Ya.        | 4  |      |
|  |              | 39    |              | 3.5                          | v             | :42  | -3                          | <u></u>     | £ 3.  | L.                | , ch       | $r^{*}$                                      |      |
|  |              | 40    |              | $\hat{y}_{ij}$               |               | 30   | ₹.                          | 3 %         | 1   | 4.62              | N.         |  |      |
| 1  |              | 41    | 50           | 10                           | Ħ,            | ιζ.  |                             | 4           | 1   |                   | 14         | 髭  | -    |
| 14                                       | 1            | 42    | 3            | $\mathcal{J}^{\mathfrak{p}}$ | =             | à è  | ű                           | A'          | 1.2   | Ý.                | ij.        |  |      |
| 37                                       | uK.          | 43    |              | 1                            | IJ,           | 35.  |                             | 7.          | **  |                   |            | 1  | 3    |
| x 4                                      | 4            | 44    |              | 1                            | Ö             | ÷    | ž.                          | 1           | . <u></u>                                     | 1                 | [관         | 12.5   |      |
| 议  | <i>b</i> :   | 45    | 14           |                              | 0             | 1    | 1.                          | 4           |   |                   | ( )<br>( ) | Ŷ  |      |
|  | 4.6          | 48    | 7            | 38                           | ✓             |      | ٠,٧                         | 1           |   | į                 | 45         | ş (  |      |
| 书  | ٠,٠          | 47    | 7            | 57.                          |               | Ž.   | 1                           | 3           | 1   | ,, <del>†</del> . | 4,         | 15.5   |      |
| 10,                                      | 31           | 48    | ંદ           | 132                          | ζ.            | 1    | 1                           | ×           | : :<br>:                                      |                   |            | <u>.                                    </u> |      |
| · · · · · · · · · · · · · · · · · · ·    | 3.4          | 49    | 2 - 4<br>- A | 1                            |               | 1 3  | 'c,                         | 153         | : (*)<br>:::::::::::::::::::::::::::::::::::: |                   | ,          | 4  | ľ    |
| yF                                       | 1.10         | 50    | 4            | <i>.</i> *                   | 4,14          | 75.° | 1-1                         | # S         | . }   | 4.                | • •        |  | ĺ    |

|     | _                 |               | _             |              |  |               |             |          |       |          |              |          |
|-----|-------------------|---------------|---------------|--------------|--|---------------|-------------|----------|-------|----------|--------------|----------|
|     | Cla               | im            |               |              |  |               | Dat         | te       |       |          |              |          |
|     | $\Box$            |               |               | Г            |  |               |             | Γ        |       |          | Г            |          |
| ł   | _                 | 쿌             |               |              |  | ŀ             |             |          | ۱ · ٔ |          |              |          |
|     | Final             | Origi         |               | l            |  |               | l           |          |       | ĺ        | ı            |          |
|     | 1                 |               | <u> </u>      | <b> </b>     | L.   | _             | <u> </u>    | <u> </u> | L.    | <u> </u> | <u> </u>     | <u> </u> |
| Ŋ   |                   | 51            | _             | Ŀ            | Ľ  |               | L           | L        |       | L_       |              | L        |
|     |                   | 52            |               |              |  |               |             |          |       |          | I            |          |
|     | -                 | 53            | Ü 1,          |              | Г  |               | 142         |          |       |          |              |          |
|     | $\vdash$          | 54            | -             | -            | <del>                                     </del> | H             | 14          | -        |       | $\vdash$ |              | H        |
|     | $\vdash$          | 55            | -             | -            | -  |               | -           | $\vdash$ | -     | -        | -            | -        |
| ı   | $\vdash$          | _             | H             | Ŀ            | -  |               | ├           | -        |       | H        | ⊢            | -        |
| .   |                   | 56            | ļ.            | L            | Ŀ  | 1             | -           | Ŀ        |       | -        | _            | _        |
| •   |                   | 57            | <u> </u>      |              | L  | :1            | L.          | 1        |       | _        |              |          |
|     | _                 | 58            |               | 37           |  | . 1           | _           | Ŀ        | . (   | -        | ٠.           |          |
|     | 'n                | 59            |               | Ň.           | -  | 1             |             |          | *,    |          | ×            |          |
|     | i.                | 60            | $\mathcal{L}$ | 7            |  | 7.7           | -,-         | 1        |       |          | . 2          |          |
|     | Ži.               | 61            |               |              | -  | 0             | 114         |          |       | 1 1      | 1 1          |          |
| ŧ   | Q.                | 62            |               | 130          | 3/   |               |             |          |       |          |              | 2        |
| Ĺ   | 53                | 63            | ATQ.          | 2            | 37   | 1.0           |             | , ,      | j.    |          | <del>;</del> | H        |
| į.  | 1                 | 64            | -             | μ-           | 1  |               | <del></del> | ·        | 7.    | *        | H            | 1        |
| 3   | ¥                 | _             | ~             |              | 7-   | -             | -           | 2.1      | -     | <u> </u> | <u>ب</u>     | H        |
| Í.  | 7.                | 65            |               | -            | <i>r</i>   |               | <u> </u>    | <u> </u> |       | Ļ.       | _            | ٠,       |
|     |                   | 66            |               |              |  |               | _           | , 31     |       |          | L            | 2        |
| ٠   | : <u>*</u> \      | 67            |               | 1            | <u> </u>   |               |             | <i>,</i> |       | Ŀ        |              | 4        |
|     |                   | 68            | 1             | 1            |  |               |             | ,        | 1     |          | 1            | ,        |
|     |                   | 69            |               |              | 1.   | 1. 1          |             |          | 7.    | *        |              |          |
|     | 32.               | 70            | 1             |              | 1,7  | ;;\h\<br>;\h\ |             | 7 (1)    | 25    | 3 .      |              | ٠        |
| 1.7 | , X               | 71            | Эy.t          |              | 4. L   |               | 4.5         |          |       | **       |              | 35       |
|     |                   | -             | _             |              |  |               | 5           |          | _     |          |              | -        |
| r   | 4                 | 72            | 19/22<br>2017 | .70          |  | 1             | -60         |          | *     | 3        | 30           | j,       |
|     | ij,               | 73            |               | 14           | - 7  | 3             |             | 3.       | 7.0   | 7        |              | 35       |
|     | X.                | 74            | = /s·         |              |  |               | -           | 2        | 1     | 44       |              | $\star$  |
| 100 | .5.               | 75            |               | 7            |  | 7.4           |             | ,        | /-    | 1        | 2.4          |          |
|     | 133               | 76            | 1             | 7.4          |  |               |             | į,       | 4.5   | ŭ.       | 1.           | 4.51     |
|     | . 16              | 77            | 1             | jů.          | ŝ  | 1             |             | X        |       |          |              | 1.1      |
|     | , i,              | 78            | ्र            | 4            | 1  | 1             | 1           |          | 4     | 3        |              | - 1      |
| ٠.  | 3                 | 79            | **            |              |  |               |             | 111      |       | *        | 1            | 7.7      |
|     | 1                 | 80            | * 45          |              |  |               | Ť           | ;;       | ÷÷-   |          | 1            | 100      |
| •   | *                 | 81            | 7             | _            | ~  | +             | -           | 6        |       | -        |              |          |
|     |                   | $\overline{}$ | 3             | 2            | ;÷   |               |             | H        | -     | ¥.       | ٠.           |          |
|     | إبنا              | 82            | -             | ::           |  | <u> </u>      |             | Ŀ        | ,     | _        | : 1          |          |
|     |                   | 83            | <u>.</u>      | -12          | -  |               |             | Ш        | 4     | Ĺ        | 4.           |          |
| •   | 10                | 84            |               | -            | 4-1  |               |             | Ш        | ¥?    |          |              |          |
|     | 1.                | 85            | 4.            |              |  |               |             |          |       | ÷.,      |              |          |
|     | ĠΙ                | 86            |               |              | ş.,  | ,             |             |          |       |          |              | 1,       |
|     | 7.                | 87            |               |              |  | 1             | ``.         |          | -     | 200      | 1            | ٠.       |
|     |                   | 88            |               | 1,11         |  |               |             | ٠.       |       |          |              | . 1      |
|     | 71                | 89            | * :           | <i>:-:</i> : | -  |               |             | ř        |       |          |              | y: 1     |
| :   | 73.               | 90            | Н             | **           | Ι  | H             | $\vdash$    | H        |       | $\Box$   | $\vdash$     | -        |
|     | $\dashv$          |               |               | • •          | -  | -             |             |          | 1     | · ,~     |              | -        |
| ٠   | ·:-               | 91            | 13.           |              |  |               |             |          |       | η.       | Ш            |          |
|     |                   | 92            |               | اينا         | لثا  | ليا           | .3.         | ليا      | ن     |          |              |          |
| ı   |                   | 93            | 4             |              |  |               |             | ,        |       |          |              |          |
|     | $\tilde{x}_{i,j}$ | 94            |               | -",          | , :  | :             | 1,1         |          | 4.    | . 0      | П            |          |
|     | 7.                | 95            | 7.            |              |  | ٠.            |             |          |       |          | - 1          |          |
|     |                   | 96            | _             | 7 1          | ,  | 7.            |             | $\Box$   |       | 3        | ,            | 1.       |
|     | -                 | 97            |               |              |  |               | 7           | H        | 1     |          |              |          |
| ٠   | / ·               |               |               |              |  |               |             |          |       |          |              |          |
|     |                   |               |               | $\vdash$     | -  | $\vdash$      |             | Н        | Н     | r        | Ħ            |          |
|     |                   | 98<br>99      |               |              |  |               |             |          |       | ť        |              |          |

| ·e    | fer          | enc             | es)       | ŀ                                       | · ,    |           | •               |              |                  |                       |               |                   |             |
|-------|--------------|-----------------|-----------|---|--------|-----------|-----------------|--------------|------------------|-----------------------|---------------|-------------------|-------------|
|       |              |                 |           |   | )A     | ΓE        |                 |              |                  |                       | . 1           |                   | A           |
|       |              |                 | <i>#.</i> | 2                                       | g.     | 2         | Î               |              |                  |                       |               |                   |             |
| 3     |              | 5               | -1        | テ                                       | 9      | 1         |                 |              |                  |                       |               |                   | 2           |
|       |              |                 | .ک        | 1                                       | 7 g    | 9         |                 |              |                  |                       | ٠.            | 6                 |             |
| 61488 |              |                 |           |   |        |           |                 |              |                  |                       |               | D                 |             |
|       |              | · · · · · · · · |           | on-e                                    |        |           |                 |              | •                |                       |               | (                 |             |
| •••   |              |                 |           | terfo<br>pea                            |        | ıce       |                 |              |                  |                       |               |                   |             |
| ٠.,   |              |                 | . Ot      | ojec                                    | ted    |           |                 |              | •                |                       |               | (                 |             |
|       | CI           | aim             | Ī         |   |        |           | Da              | te           | -                |                       |               |                   | 1           |
| •     | ٣            | 1_              | T         | Γ                                       | Ė      | 2         |                 | Ī            | Γ                |                       | Ī.            |                   | 3           |
|       | Final        | Origina         | '         |   |        |           |                 |              |                  |                       | ŀ·            |                   | in in       |
|       | Ē            | 101             |           |   |        |           |                 |              |                  |                       | Ė             | . ;               |             |
|       | L            | 102             |           | L                                       |        | _         |                 | -            |                  | _                     |               | 1                 | , 3,<br>,3, |
|       | -            | 104             |           | - 2                                     | 1.0    | 2.23      |                 |              |                  | -                     |               | 14                | 7           |
| ٠.    |              | 105             |           |   |        |           |                 |              |                  |                       | ¥2            | -                 | 蹇           |
|       | -            | 106             | -         | -                                       |        | /19       |                 |              | 0. s             | 72.                   | 44<br>237     | 90A               | 緣           |
|       |              | 108             |           |   |        |           | 1               | ±<br>(4 € ,  |                  |                       | 1             |                   |             |
|       |              | 109             | ╄         |   | -      | 10        | . Sys.<br>1,920 | 71           | 7 . u            | Al.                   | 13.           | 4. 6              |             |
|       | 5            | 110             | 1         |   |        | 75.       |                 | 3.           | 44               | 5.2                   | (A)           | 3.5               | 1           |
|       |              | 112             |           | · ·                                     |        | 2.5       | **              | . ,          | 9¥               | 2                     | 100           | 7                 | 200         |
|       |              | 113             | 1         | A                                       | 7.4    |           | 200             | 337<br>134   | *                | क्षं <u>इ</u><br>इंटर | 變             | 趣                 |             |
|       |              | 115             |           |   |        |           |                 | 4            | 4                | 1                     |               | *                 |             |
|       |              | 116             |           |   | yr.    |           | ,r.             | 7            | źż               | 200                   | 7             | <b>*</b>          |             |
|       | -            | 117             |           |   | - 1    | 7         | 37              | .31.<br>::   | <b>2</b> ′γ      | Fr.                   | 3             | 4                 |             |
| -     |              | 119             |           | 74                                      | 4      | 70        | 1               | 1            | 震                | 4                     | 1             |                   |             |
|       |              | 120             | 33        | Ť                                       |        | 1,7       |                 | Ç4.          | 180              | 1134                  | 30            | Ø.                |             |
|       | 18           | 121<br>122      | _         |   | A E    | 塘         | 333<br>75       | 糖器           | 灣邊               | 100                   | 深             | Fig.              |             |
| i i   | 1            | 123             |           | 7.2                                     | 22     | 波         | 4               | 验验           | 11               | 4                     | 3             |                   |             |
|       | 4            |                 | _         | - 5                                     | **     | <u> </u>  | 34              | 1            | ¥;               |                       |               | 劀                 |             |
| A     | o Ai<br>Soli | 125<br>126      |           | 減機                                      | 经分     | 対談        | 文字              | 逐激           | 發展               | 想著                    | 经验            | 學                 |             |
| 4     |              | 127             | -34       | 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |        | Ş.,       | 76              | \$ 1<br>\$ 1 |                  |                       | Ď.            | $\mathcal{I}_{q}$ |             |
| 1 2   |              | 128<br>129      | 1         | 4 in 1                                  | 17 1   | (A) (2)   | 45              | 事施           | 水水               | 分割                    | 数             | 11                |             |
|       |              | 130             |           | () ()<br>()                             | 4      | 5         | 18:             | ş.           | A.               | 3 85                  | #             | 3.5               |             |
|       | 7            | 131             |           | 1                                       |        | 1.0       | 34              | ;;;          |                  | 11                    | EAT           | *                 |             |
|       |              | 132<br>133      |           |   | 31     | <i>\$</i> | S 15            |              | £. 2             | 美人                    | 2 4           |                   |             |
| 1     |              | 134             |           |   |        |           | 1               | 14:          | 27               | 2 3                   | ٠,            | $T^{-1}$          |             |
|       | , T          | 135<br>136      |           | -i                                      |        | 7         |                 |              | 1                | 9                     | 1             | <i>į.i</i>        |             |
|       |              | 137             | _         | 7                                       | · s    |           | 25              |              | $\mathbb{H}_{K}$ | $i^{2}$               | 100           | J. 18             |             |
|       |              | 138             |           | 7.4                                     | · ·    | ,         | · · ·           | 13.5         | 1                | 7                     | ÷             | (3)               |             |
|       | _            | 139             |           |   |        | [7] a     | 1,1             | F. 3.        |                  | $\lambda_{i} \sim$    | 浸油            | Σ,                |             |
|       |              | 140             | _         | F                                       |        |           | · .             | ¥ 18         | 1                | 3.<br>2.3             | 11            | 7                 |             |
|       | ٠.           | 142             |           | -                                       |        |           |                 |              | 1                |                       |               |                   |             |
|       | ,            | 143             |           |   |        | 7         | 1               | ,            | 1                | 4                     | 1 12          |                   |             |
|       | :            | 144             |           |   | £ 1.4. |           | # P             |              |                  | . P.                  | 20            |                   |             |
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If more than 150 claims or 10 actions , staple additional sheet here